Human Leucine-rich repeat flightless-interacting protein 1 (LRRFIP1) ELISA Kit

Catalog No: #EK10035

Package Size: #EK10035-1 48T #EK10035-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Leucine-rich repeat flightless-interacting protein 1 (LRRFIP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLAP-1; FLIIAP1; GCF-2; GCF2; HUFI-1; MGC10947; MGC119738; MGC119739; TRIP; GC-binding factor 2|NEDD8-conjugating enzyme|transcription factor 9-like
Accession No.	Q32MZ4
Uniprot	Q32MZ4
GeneID	9208;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.127 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate LRRFIP1 in samples. An antibody specific for LRRFIP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLRRFIP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LRRFIP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LRRFIP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The GCF2 cDNA contains an internal region with 98% nucleotide identity with the first 309 bp of the GCF cDNA, but the remainder of the 2 sequences share no significant homology.

The predicted 752-amino acid GCF2 protein has a pI of 4.4. The authors confirmed the calculated molecular mass of 83 kD by mass spectroscopy. However, GCF2 migrates as a 160-kD protein by SDS-PAGE. the discrepancy between the calculated and observed masses is due either to the acidic nature of the protein or to an unusual ability of GCF2 to form very stable dimers. GCF2 binds to EGFR promoter fragments in vitro. Cotransfection assays showed that GCF2 represses transcription from 3 different promoters, including that of EGFR.

Note: This product is for in vitro research use only